



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

CGI Windows & Doors
10100 NW 25th Street
Miami, FL 33172

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Clipped, Extruded Aluminum Tube Mullion with #373 Framing Member – L.M.I.

APPROVAL DOCUMENT: Drawing No. **M95-13**, titled "Mullion Elevations and Details", sheets 1 through 5 of 5, dated 11/25/95 with revision E dated 12/21/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # **08-0429.04** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
3/15/12

NOA No. 12-0203.13
Expiration Date: April 26, 2017
Approval Date: March 22, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **M95-13**, titled "Mullion Elevations and Details", Sheets 1 through 5 of 5, dated 11/25/95 with revision E dated 12/21/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum fixed windows mulled together, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0080-0105-08**, dated 3/26/08, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA#08-0429.04)
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC PA-202-94 along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-96-525**, dated February 12, 1995 signed and sealed by Hector Medina, P.E.
(Submitted under previous NOA#02-0123.07)
3. Test reports on: 1) Large Missile Impact Test, Loading per FBC PA 201-94 along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-96-525**, dated 10/30/95, signed and sealed by Timothy S. Marshall, P.E.
(Submitted under previous NOA#02-0123.07)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al-Farooq Corporation, dated 4/14/08, 5/28/08 and updated on 11/15/11, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. None.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0203.13

Expiration Date: April 26, 2017
Approval Date: March 22, 2012

CGI Windows & Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, dated November 15, 2011, signed and sealed by Javad Ahmad, P.E.
2. Statement letter of no financial interest, dated November 15, 2011, signed and sealed by Javad Ahmad, P.E.
3. Laboratory compliance letter for Test Report No. **HTL-0080-0105-08** issued by Hurricane Test Laboratory, Inc., dated 3/26/08, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under previous NOA#08-0429.04)

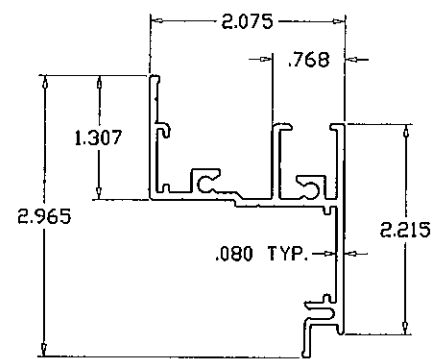
G. OTHER

1. Notice of Acceptance No. **08-0429.04**, issued to CGI Windows & Doors for their Aluminum Tube Mullion with #373 Framing Member – L.M.I., approved on 06/26/08 and expiring on 04/26/12.



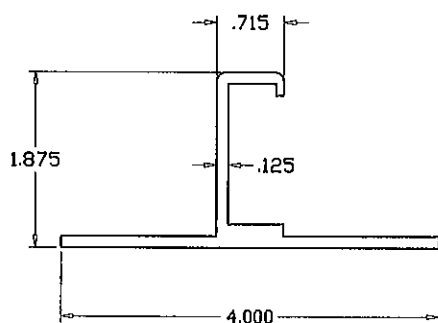
Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0203.13

Expiration Date: April 26, 2017
Approval Date: March 22, 2012



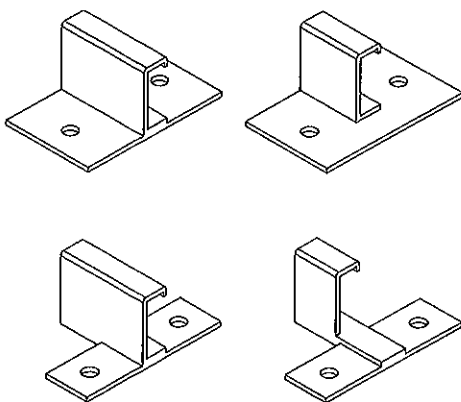
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CGI-373
6063-T6



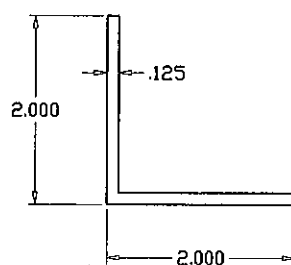
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CGI-387
6063-T6



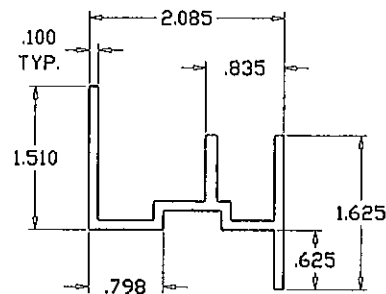
MULLION CLIP

CGI-383
6063-T6



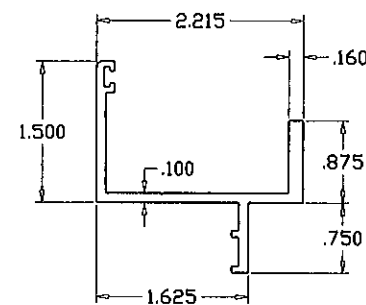
MULLION CLIP

6063-T6



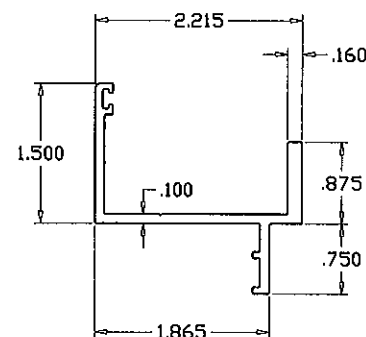
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6063-T6



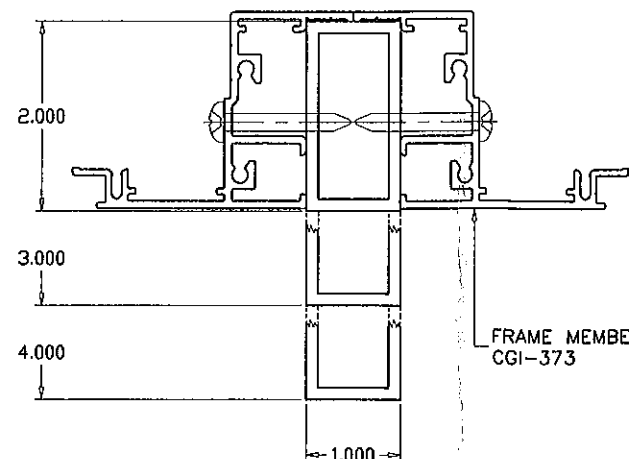
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CGI-387
6063-T6



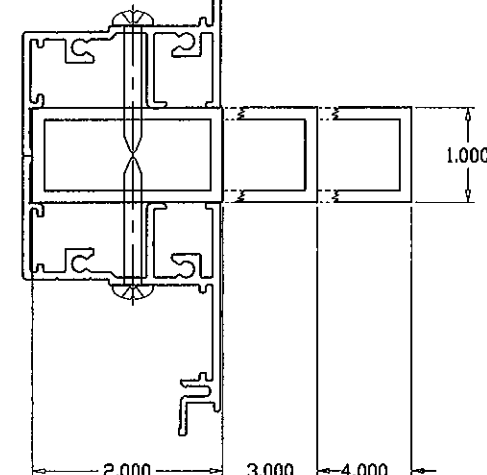
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CGI-387IG
6063-T6

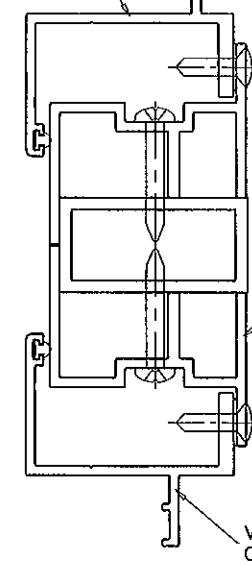


FRAME MEMBER
CGI-373

FRAME MEMBER
CGI-373



VENT MEMBER
CGI-387IG



FRAME MEMBER
CGI-386

VENT MEMBER
CGI-387

ALL MULLIONS: 6063-T6 ALLOY, 1/8" TYP. WALL THICKNESS

MULLIONS CONTAINING WINDOW FRAME MEMBERS AT EACH SIDE HORIZONTAL OR VERTICAL

SEE WINDOW OR DOOR APPROVAL FOR FASTENERS SIZES AND SPACING

ALUMINUM TUBE MULLION

WINDOW FRAME MEMBER INCLUDED IN PROPERTIES

USE WITH:

- 1- FRAMING MEMBER #373
- 2- FRAMING MEMBER #386 + 387
- 3- FRAMING MEMBER #386 + 387IG

ALSO ANY COMBINATIONS OF ABOVE.

NOTES:

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

ALL GLAZING PRODUCTS USED WITH THESE MULLIONS MUST MEET THE APPLICABLE BUILDING CODE REQUIREMENTS I.E: WIND LOAD, WATER INFILTRATION, FORCED ENTRY RESISTANCE, SAFEGUARDS ETC.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL COVERING (STUCCO, TILE ETC.).

ANCHORING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

THESE MULLIONS ARE RATED FOR LARGE & SMALL MISSILE IMPACT

INSTRUCTIONS:

USE CHARTS AND GRAPHS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN LOAD REQUIRED PER ASCE 7 FOR PARTICULAR OPENING.
- STEP 2** USE CONNECTION OF WINDOWS TO MULLION AS PER PRODUCT APPROVAL.
- STEP 3** USING GRAPHS ON SHEET 2 & 3 SELECT MULLION SIZE WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 4** USING GRAPHS ON SHEET 2 & 3 VERIFY ANCHOR CAPACITY WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** CAPACITY OF CGI GLAZING PRODUCTS AND MULLION MUST EQUAL OR EXCEED REQUIRED LOADS.

Engr. JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3338

JAN 24 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0203, 13
Expiration Date APRIL 26, 2017

By *Manuel Cruz*
Miami Dade Product Control

MULLION ELEVATIONS AND DETAILS

CGI WINDOWS & DOORS

10100 NW 25TH STREET
MIAMI, FL. 33172

TEL (305) 593-6590 FAX (305) 593-6592

revisions:	no	date	by	description
	B	01.16.02	T.H.	ANCHORS TYPE A & B REV.
	C	02.02.07		UPDATED FOR 2004 FBC
	D	05.22.08		REV. PER BOCO COMMENTS
	E	12.21.11		UPDATED TO 2010 FBC

date: 11-25-95	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
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drawing no.
M95-13

sheet 1 of 5

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

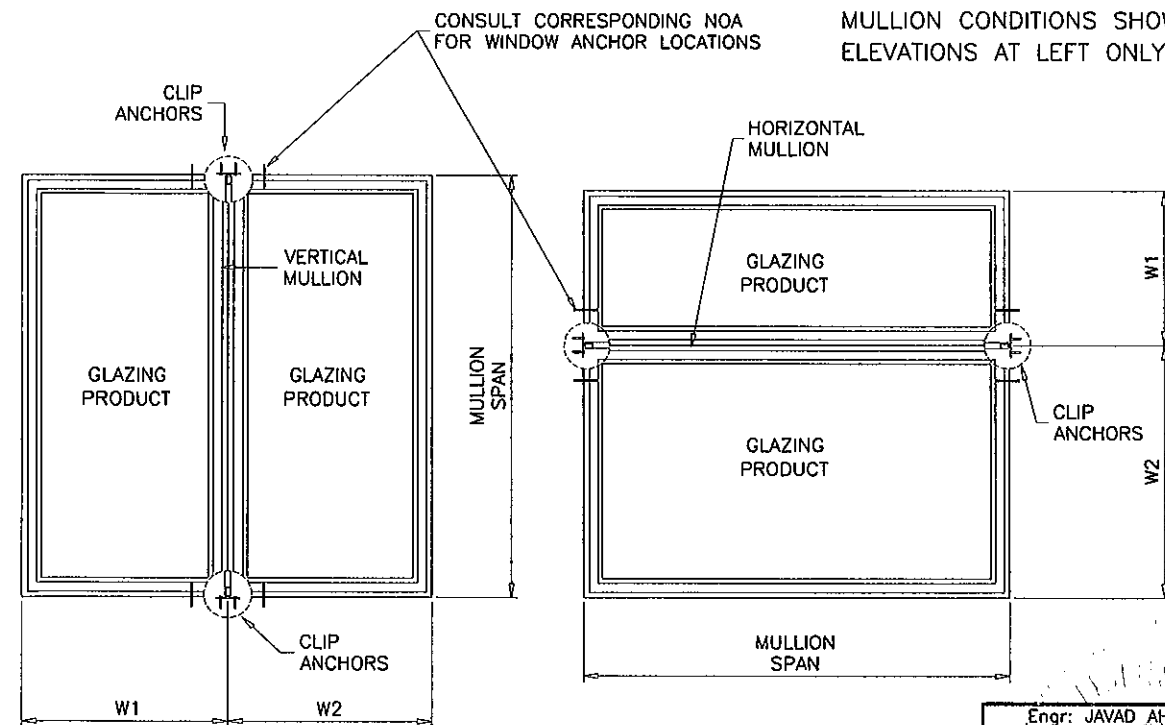
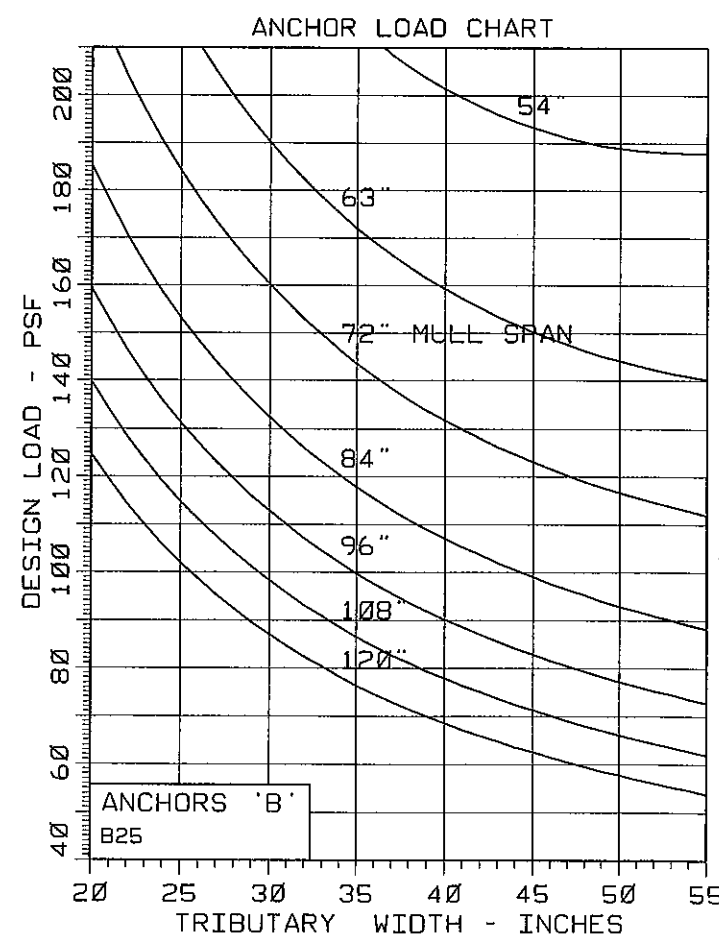
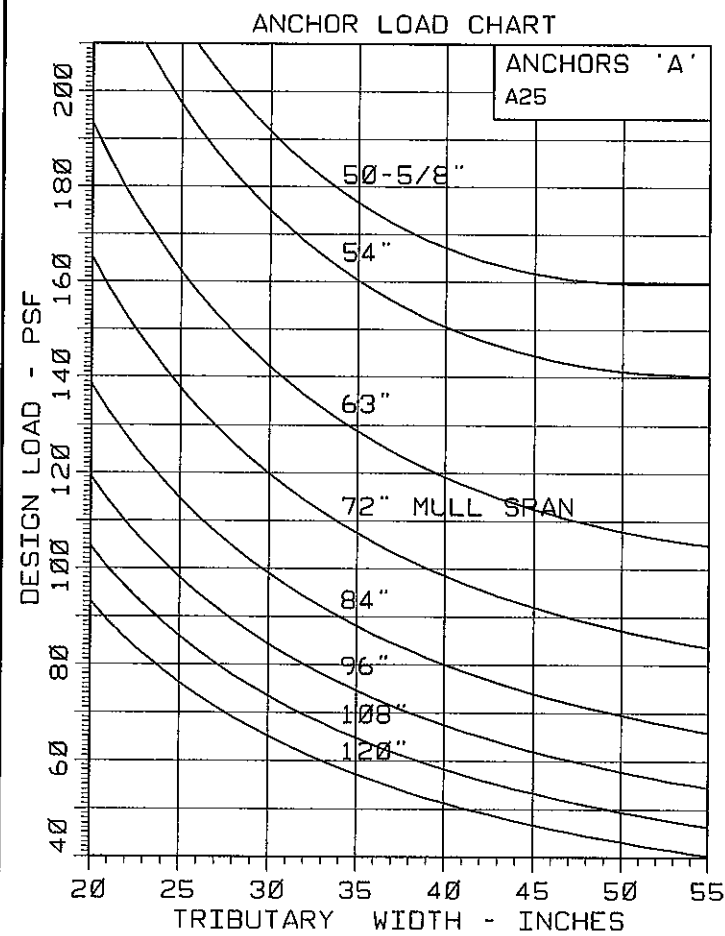
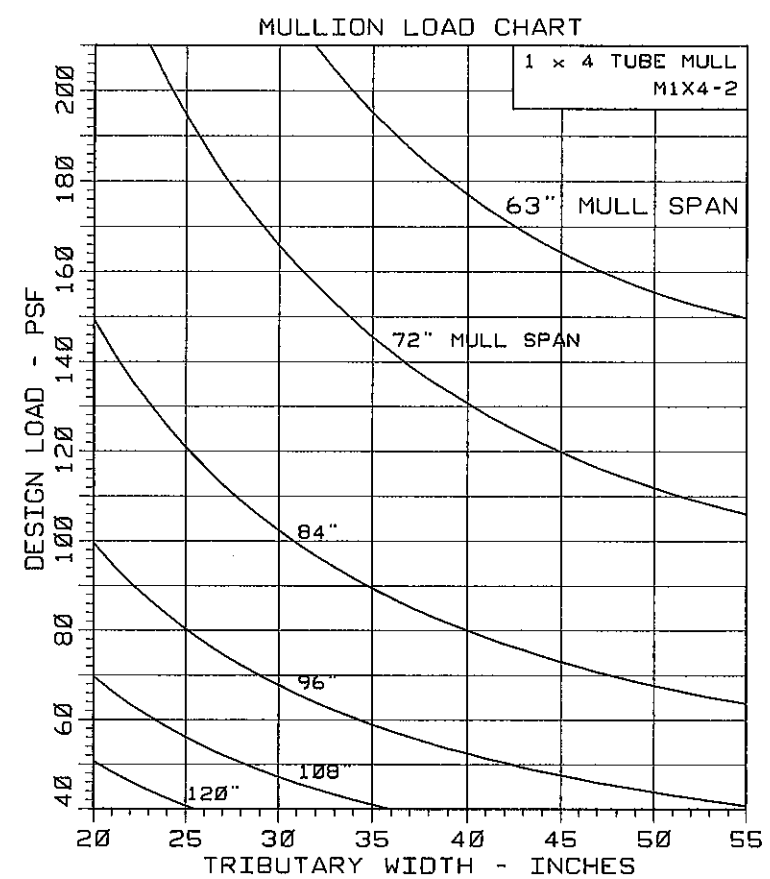
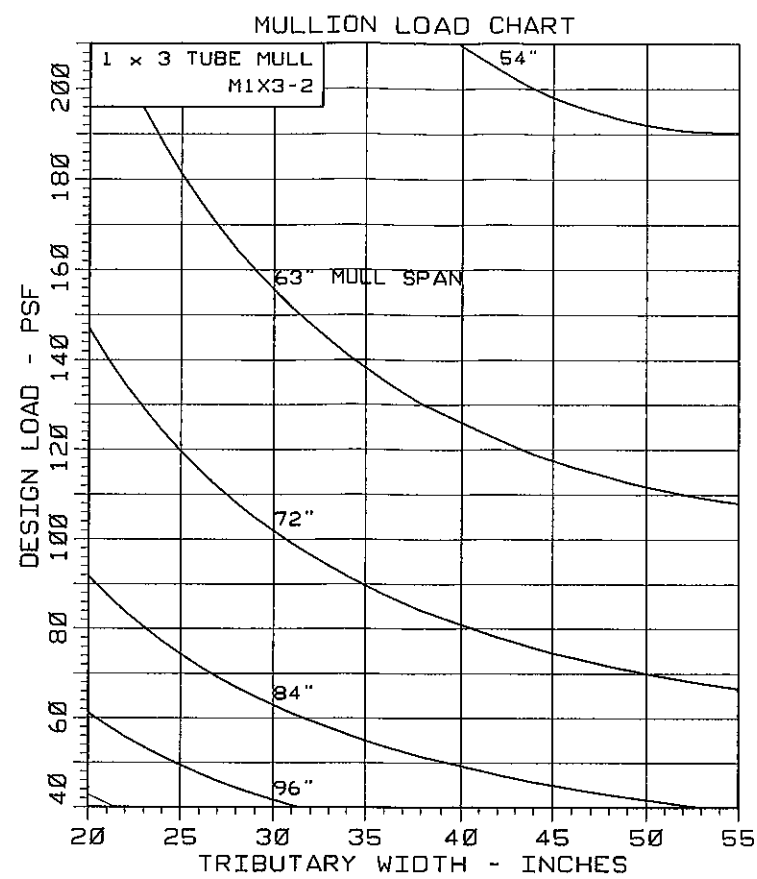
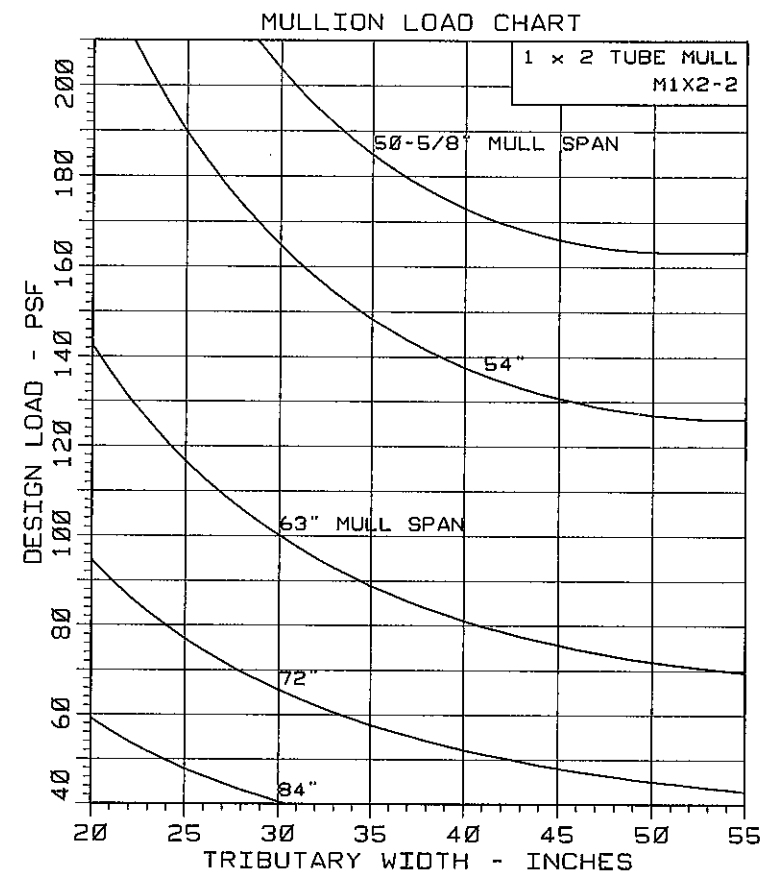
1235 S.W. 87 AVE

MIAMI, FLORIDA 33174

TEL (305) 264-8100

FAX (305) 262-6978

MULLION M95-13



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0203, 13
Expiration Date APR 26, 2017

By *Manuel Ruiz*
Miami Dade Product Control

$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$

TYPICAL MULLION ARRANGEMENTS

MULLION AND ANCHOR CHARTS
ON THIS SHEET APPLY TO
MULLION CONDITIONS SHOWN ON
ELEVATIONS AT LEFT ONLY.

AL-FAROOQ CORPORATION
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MULLION ELEVATIONS AND DETAILS

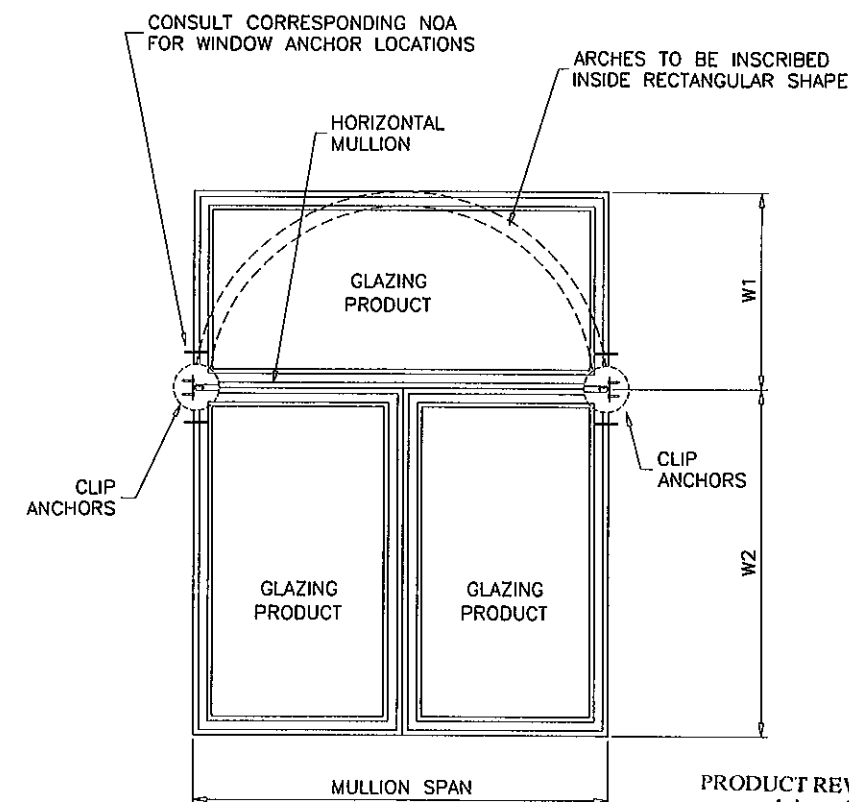
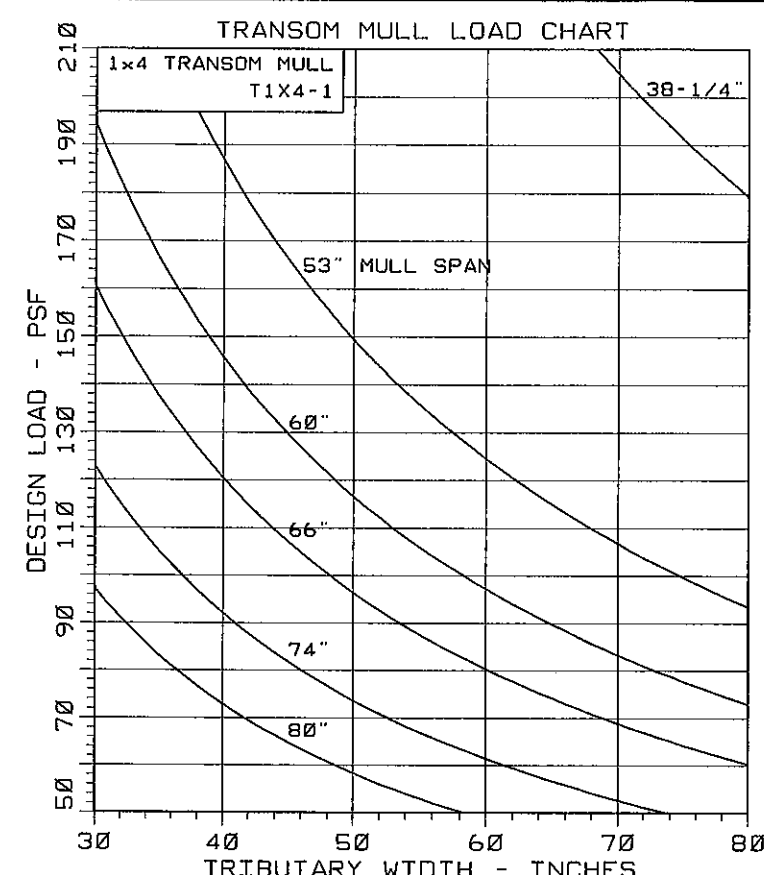
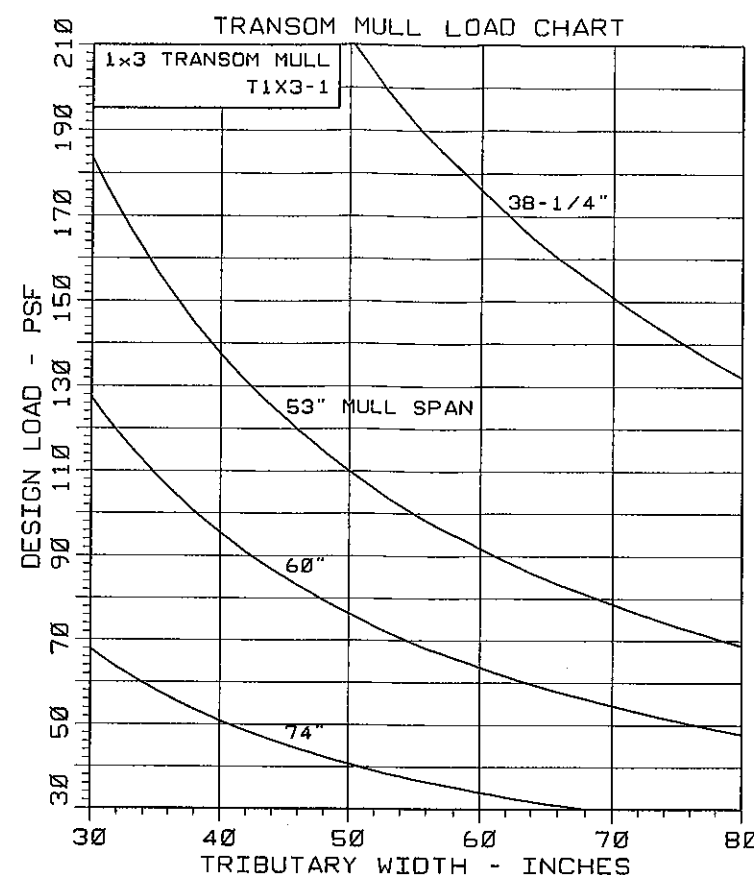
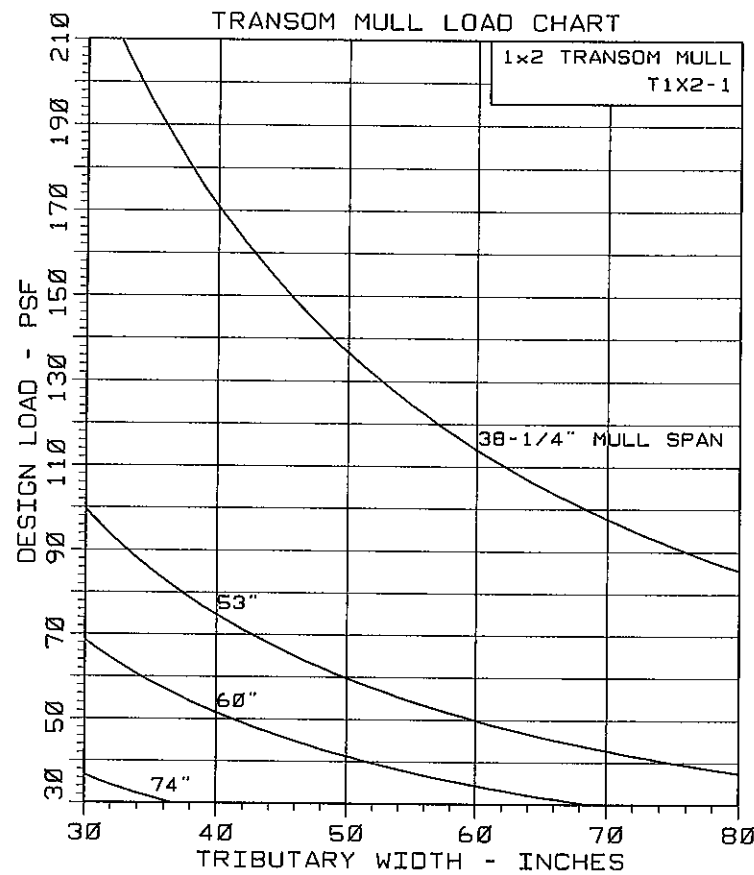
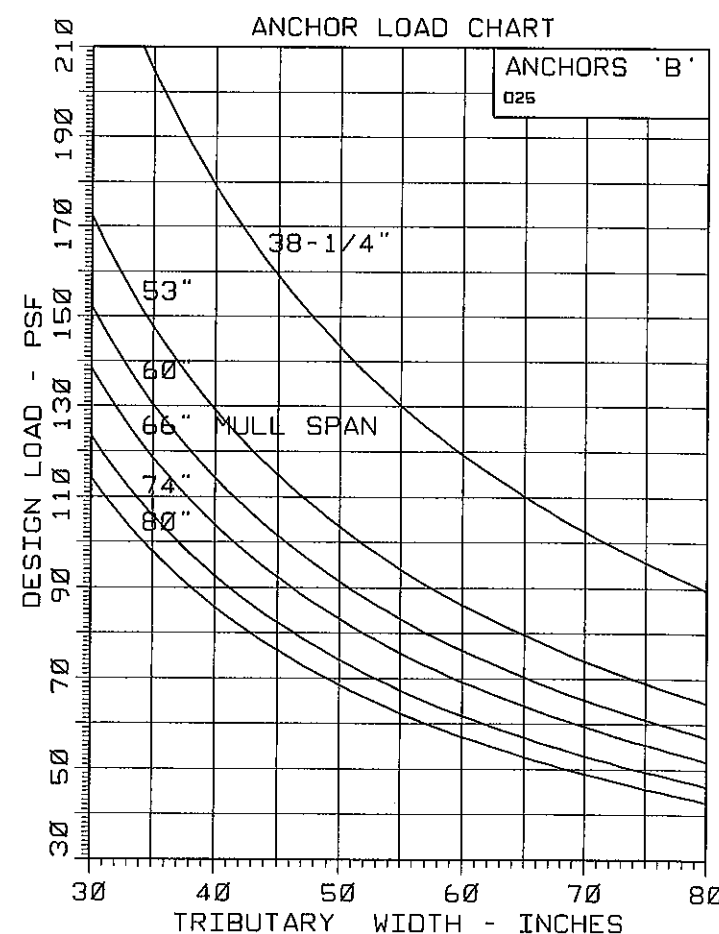
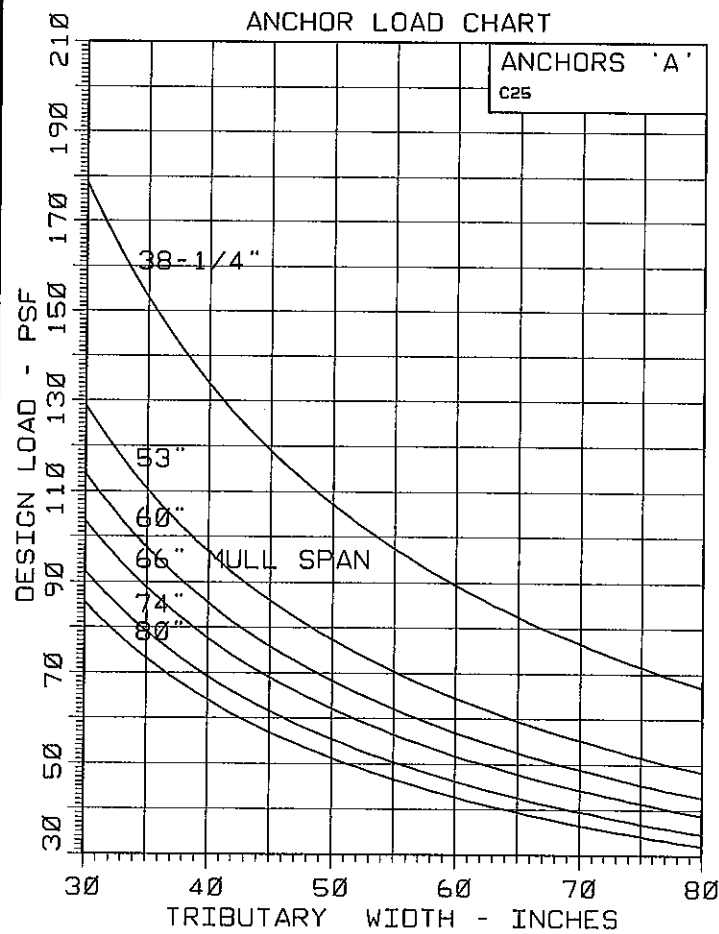
CGI WINDOWS & DOORS
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MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:		no	date	by	description
C	02.02.07				UPDATED FOR 2004 FBC
D	05.22.08				REV. PER BCCO COMMENTS
E	12.21.11				ANCHOR REV.

date: 11-25-95
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

Engr: JAVAD AHMAD,
CIVIL
FLA. PE # 70592
C.A.N. 3538

drawing no.
M95-13
sheet 2 of 5



$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$

TYPICAL MULLION ARRANGEMENTS

MULLION AND ANCHOR CHARTS ON THIS SHEET APPLY TO HORIZONTAL MULLION AND IT'S END ANCHORS ONLY.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0203-13 Expiration Date 12-02-2017

By *Mamun Reza* Miami Made Product Control

Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

JAN 27 2012

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978

MULLION ELEVATIONS AND DETAILS

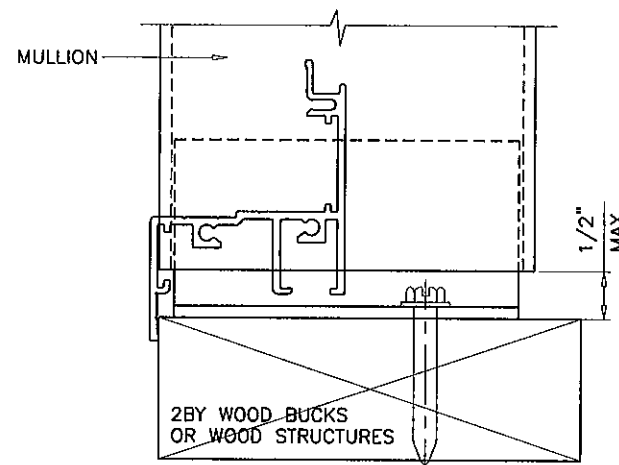
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revisions:	no	date	by	description
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	D	05.22.08		REV. PER BCCO COMMENTS
	E	12.21.11		ANCHOR REV.

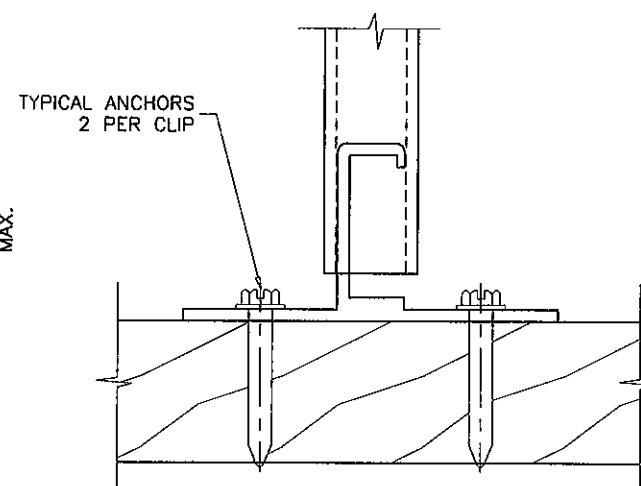
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chk. by:

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M95-13
sheet 3 of 5

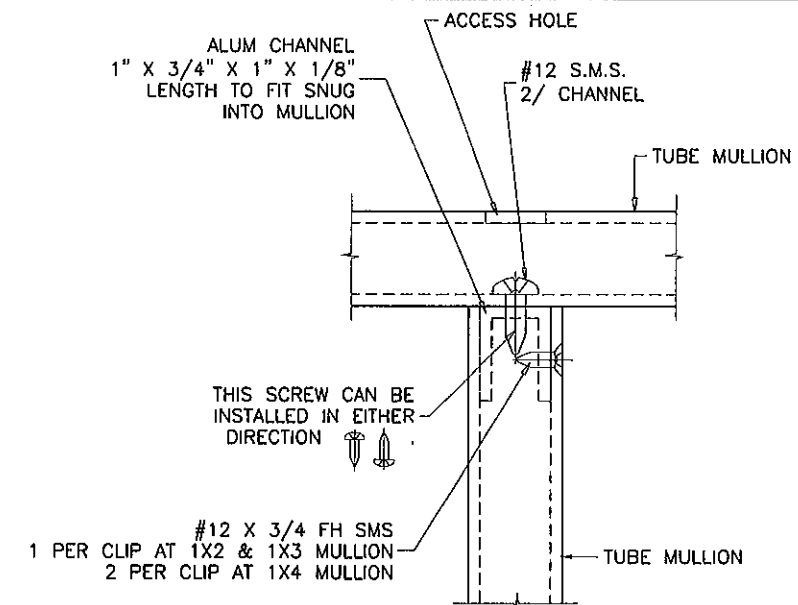
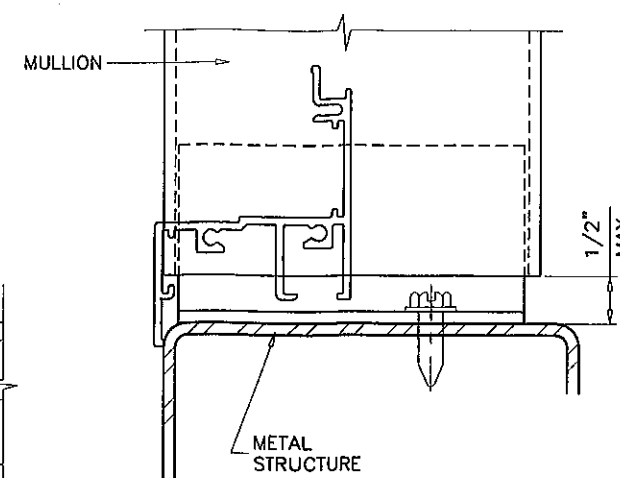
MULLION M95-13



INTO 2BY WOOD BUCKS OR WOOD STRUCTURES



INTO METAL STRUCTURES



ANCHOR DETAIL #1

WOOD BUCKS AND METAL STRUCTURE NOT BY CGI WDW. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" DIA. ULTRACON BY 'ELCO' ($F_u=177$ KSI, $F_y=155$ KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B' - 1/4" DIA. ULTRACON BY 'ELCO' ($F_u=177$ KSI, $F_y=155$ KSI)
DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B' - #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STRUCTURES
STEEL : 12 GA. MIN. ($F_y = 36$ KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 1/2" MIN.

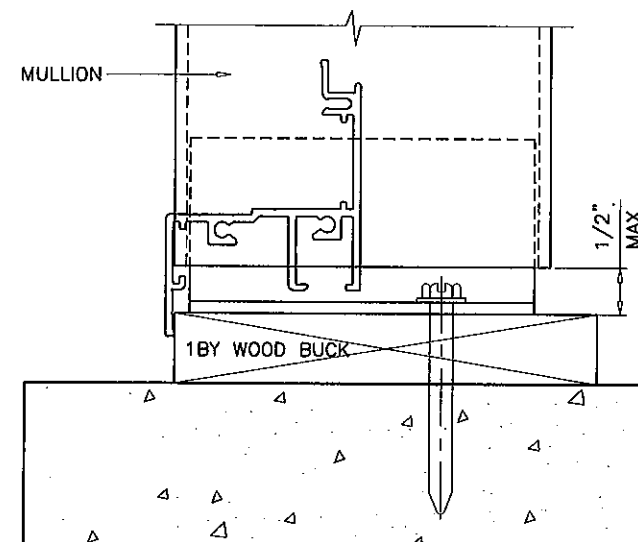
CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

Engr: JAVAD AHMAD
CIVIL
FLA. PE. # 70592
C.A.N. 3538

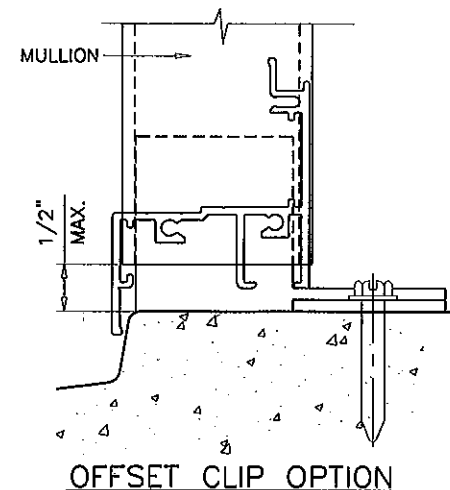
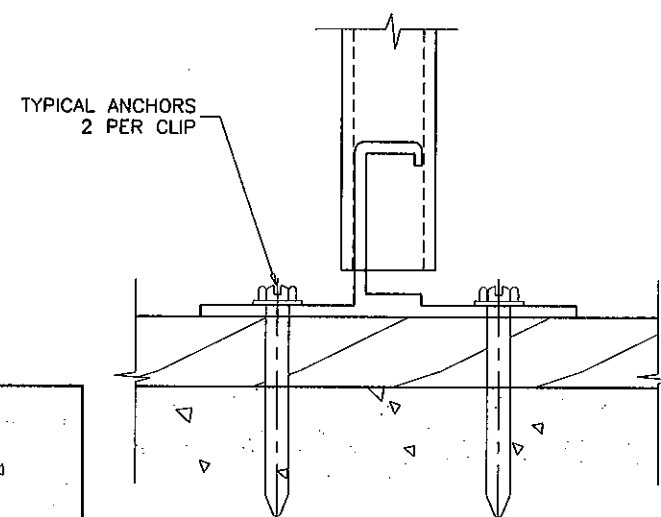
PRODUCT REVISED
as complying with the Florida
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Acceptance No 12-0203-13
Expiration Date April 26, 2017

By *Mamuel Puy*
Miami Dade Product Control

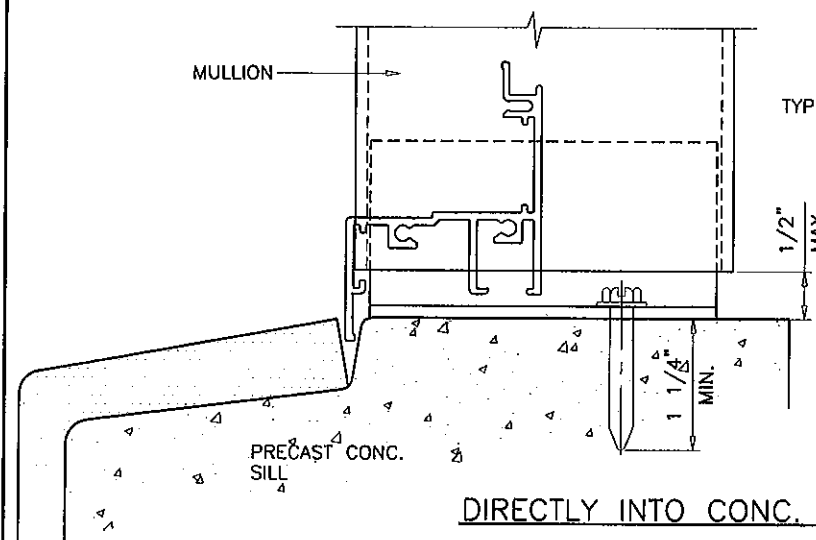
JAN 27 2017



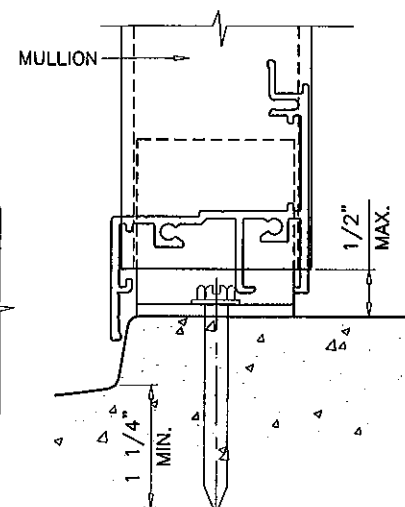
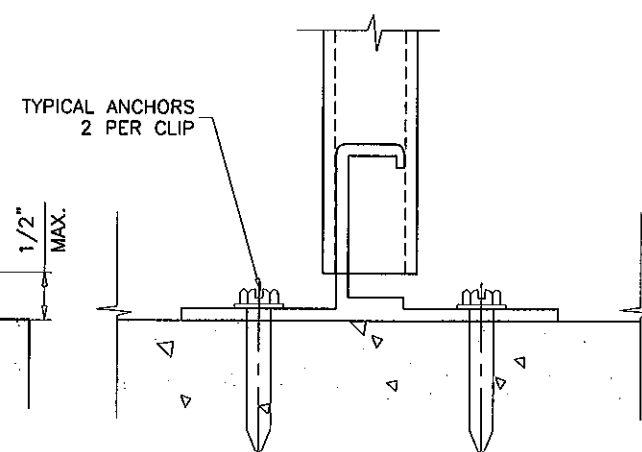
THRU 1BY BUCKS INTO CONC. OR MASONRY



OFFSET CLIP OPTION



DIRECTLY INTO CONC. OR MASONRY



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TEL. (305) 264-8100 FAX. (305) 262-6978
MULLION M95-13

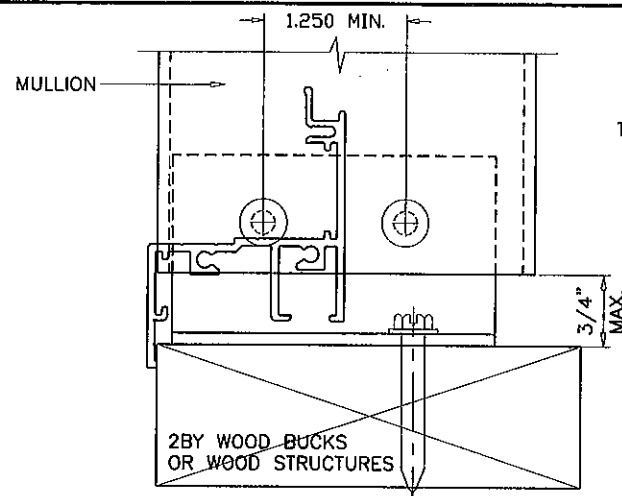
MULLION ELEVATIONS AND DETAILS

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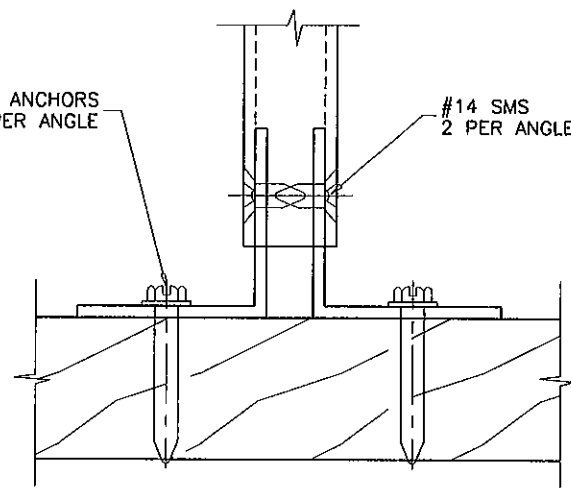
revisions:	no	date	by	description
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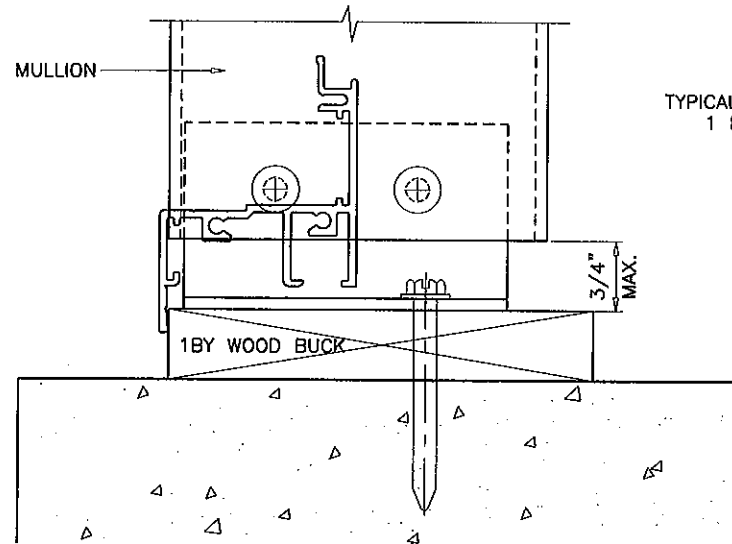
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sheet 4 of 5



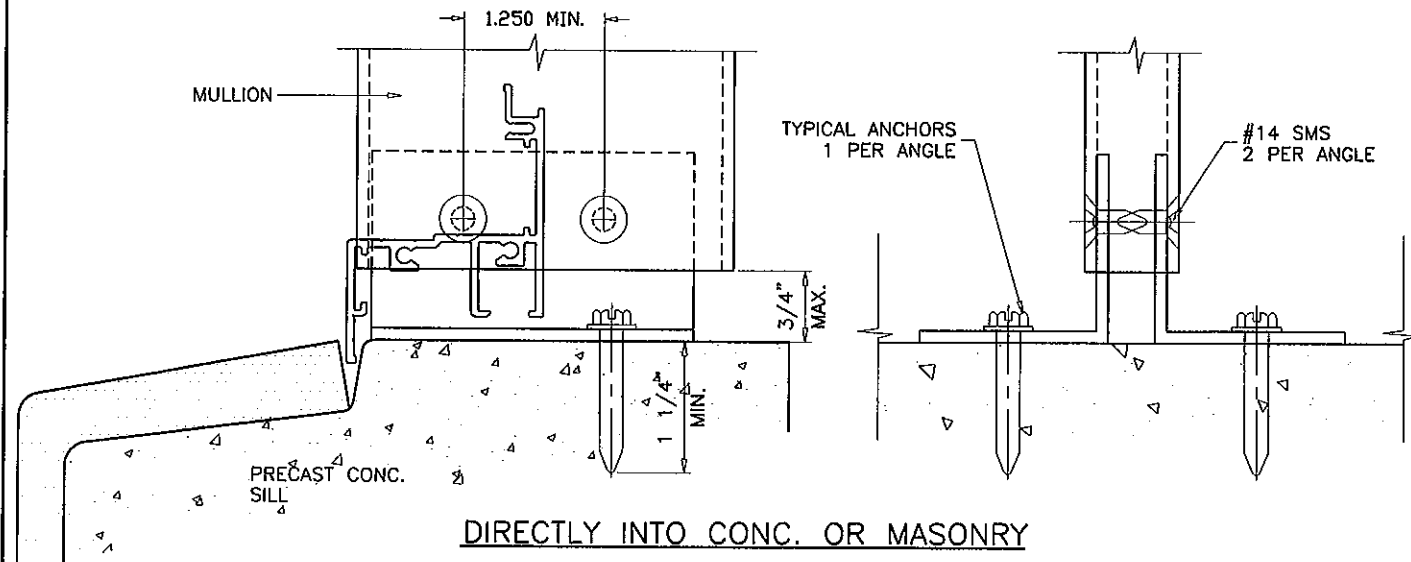
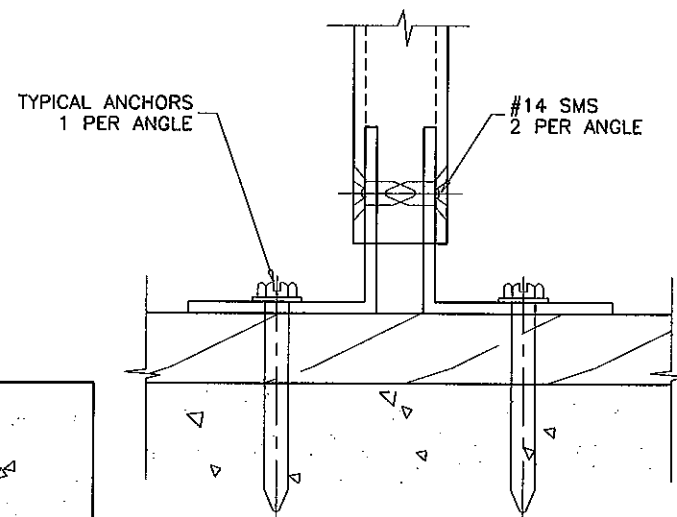
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES



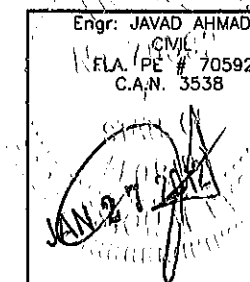
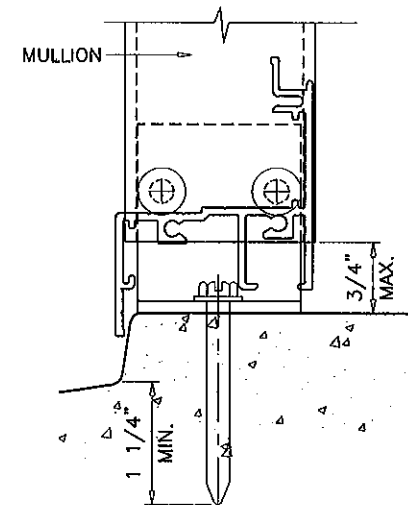
INTO METAL STRUCTURES



THRU 1BY BUCKS INTO CONC. OR MASONRY



DIRECTLY INTO CONC. OR MASONRY



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0203.13
Expiration Date April 20, 2017
By *Mamunur Raza*
Miami Dade Product Control

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revisions:	no	date	by	description
	C	02.02.07		UPDATED FOR 2004 FBC
	D	05.22.08		REV. PER BCCO COMMENTS
	E	12.21.11		NO CHANGE THIS SHEET

date: 11-25-95	scale: 1/2" = 1"
dr. by: HAMID	chk. by:

drawing no.
M95-13

sheet 5 of 5